

2.0 PROPOSED GROUNDWATER MONITORING PROGRAM

The proposed 2002 groundwater monitoring program consists of two sampling events:

- Annual monitoring (March 2002) and
- Semiannual monitoring (September 2002).

The above event types are described in Sections 2.1 through 2.2. General monitoring considerations are described in Section 2.3. Details of the groundwater monitoring are described in Table 1 and Figures 2 and 3.

2.1 Annual Groundwater Monitoring

All (33) groundwater monitoring wells at the Site will be monitored during the annual groundwater monitoring event. If select wells cannot be accessed due to Site redevelopment activities, they will be scheduled for gauging and sampling during the semi-annual event. Water levels will be measured and groundwater samples will be collected and analyzed for VOCs by EPA Method 8260B.

Groundwater monitoring wells installed by Montrose and ILM will be sampled through coordination with their respective environmental contractors.

2.2 Semiannual Monitoring

A semiannual monitoring event will be performed in September 2002. The routine groundwater monitoring program described in Section 2.3.2 will be performed at a reduced number (18) of groundwater monitoring wells as indicated in Table 1, focusing on the primary areas of groundwater impact. Depth to groundwater will be measured in all 33 of the groundwater monitoring wells. The wells that will be sampled in the reduced program were chosen to track the plume core and down-gradient conditions. Samples collected during the semiannual event will be tested for VOCs by EPA Method 8260B (Table 1).

2.3 Groundwater Monitoring Methodology

2.3.1 Health and Safety

In accordance with the federal Occupational Safety and Health Act (OSHA), the work will be performed under a site-specific Health and Safety Plan that complies with OSHA standards for potentially hazardous field investigations (29CFR 1910.120). The existing Health and Safety Plan for groundwater monitoring at the BRC Former C-6 Facility will be used (Haley & Aldrich, Inc., 2001).